



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**COMBINED PROCEEDING**

For U.S. Patent No. 5,846,435

**In the Re-issue application of Haase**

Serial No. 09/733,392

Filed December 7, 2000

**In the Re-exam application of Haase**

Control No. 90/005,710

Filed April 24, 2000

**Title: Method for Dewatering Sludge**

§ **EXAMINER: Chester Barry**  
§  
§ **Group Art Unit 1724**  
§  
§ **Patent Owners Docket**  
§ **for Re-issue: 27410/002RI**  
§ **for Re-Exam: 27410/002RX**  
§  
§ **3<sup>rd</sup> Party Requester's Docket:**  
§ **RE-US 5846435**  
§  
§

**SUPPLEMENTAL DECLARATION OF MR. RICHARD A. HAASE**

My name is Mr. Richard A. Haase. I am of sound mind and capable of making this Declaration based on the facts stated herein.

1. I am the President of ClearValue, Inc. and the owner of U.S. Patent 5,846,435, as well as, the pending re-issue application 09/733,392.
2. I believe that I am the original inventor of U.S. Pat. No. 5,846,435 and any reissue claims presented via 09/733,392.
3. I am aware of no: industry publication, U.S. Patent, teaching or use of the teachings or use of the instant claims within the styled patent application prior to my work in the method of dewatering sludge as presented in the styled patent and application for re-exam and re-issue.
4. I am personally aware that at the time of filing for the instant application, in both College Station, Texas and in Texarkana, Texas, others did not practice the instant claims until after my teachings. Specifically, in College Station, Texas, the dewatering of a biological sludge from a thermophilic digestion process was performed only with a cationic polyacrylamide at the time of my filing of the patent application for U.S. Pat. No. 5,846,435; this is evidenced in the Examples therein. I first demonstrated the instant invention and the instant claims in 1996 to

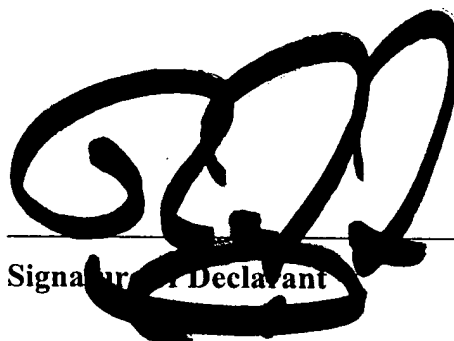
the management of the wastewater treatment plant for College Station, Texas. I then reviewed the technology with sales management of Allied Colloids in order to obtain a dry poly(DADMAC) for College Station Texas. A later presentation was made to the management of the wastewater treatment plant in Texarkana, Texas. The sales manager for Allied Colloids specifically wanted to know for what the dry poly(DADMAC) was to be used; as without such information, he was not going to sell ClearValue the product. Allied Colloid, then, did attempt to practice independent claim 1 in College Station, Texas within weeks of my review and asking for a dry poly(DADMAC).

5. In 1997, during the dewatering polymer bid in Texarkana no vendor other than ClearValue was able to perform on the belt presses in the dewatering of biological sludge from a thermophilic digestion process. This was even though I taught the management of the wastewater treatment plant in Texarkana to add a poly(DADMAC), which was stored in one tank, and a cationic polyacrylamide, which was stored in a second tank, to the dewatering belt presses of Texarkana, Texas in the dewatering of biological sludge from a thermophilic digestion process. In 1998, however, Allied Colloids and SNF Holding Company, along with a distributor for SNF Holding Company, presented to the management of the wastewater treatment plant in Texarkana, Texas high molecular weight polymeric quaternary ammonium compounds, e.g. instant independent claim 33. Due to the size and economic capabilities of these large competitors, my company, ClearValue, was unable to compete once the instant specification teachings and instant claims were copied by these firms.
6. I have reviewed and understand the styled patent application, the claims therein and the proposed claims of the merged re-exam/re-issue application. Further, I acknowledge and understand my duty of disclosure to The United States Patent and Trademark Office of any material information relating to patentability of the styled application.
7. I should be viewed as at least someone of expert skill in the art of water chemistry, biochemistry and thermodynamics, including the dewatering of biological sludge from a thermophilic digestion process.

8. I hereby declare that all statements made herein are of my own knowledge are true and that all statements made on information and belief are believed to be true; and further these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issued thereon.

**Full Name of Declarant:** Mr. Richard A. Haase  
**Residence:** 4402 Ringrose Drive  
Missouri City, Texas 77459  
**Citizenship:** USA  
**Mailing Address:** Same as above

**Date:** October 31, 2008



Signature of Declarant